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Biostatistics News

Georgia Southern University

Applied Meta-Analysis with R

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Dr. Karl E. Peace at Georgia Southern University Jiann-Ping Hsu College of Public Health along with Dr. Ding-Geng (Din) Chen publish a new book titled *Applied Meta-Analysis with R*. In biostatistical research and courses, practitioners and students often lack a thorough understanding of how to apply statistical methods to synthesize biomedical and clinical trial data. Filling this knowledge gap, *Applied Meta-Analysis with R* shows how to implement statistical meta-analysis methods to real data using R.

Drawing on their extensive research and teaching experiences, the authors provide detailed, step-by-step explanations of the implementation of meta-analysis methods using R. Each chapter gives examples of real studies compiled from the literature. After presenting the data and necessary background for understanding the applications, various methods for analyzing meta-data are introduced. The authors then develop analysis code using the appropriate R packages and functions. This systematic approach helps readers thoroughly understand the analysis methods and R implementation, enabling them to use R and the methods to analyze their own meta-data.

Tapio Nummi's review of the book indicates the "book is well written and provides very useful material for practical clinical trial data analyses. The results of the analyses are illustrated with excellent graphical presentations."

To read more, click here.

For a complete list of books by Dr. Karl E. Peace, click here.

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